14097 Digital Camera

Owner's Manual



Table of Contents

What your camera includes: 3
Computer System Requirements 4
A Quick Look at Your Camera 4
Preparing Your Camera for Use 5
Starting Your Camera 6
The Camera Modes 7
Installing Limited Too Photo Manager Software 12
Software & Camera Driver Installation 12
Downloading Photos 17
Everything you need to get the most of your photos and MORE 20
WebCam Express 20
Viewing Videos 23
Maintenance and Warranty 23
Technical Support 24
Appendix A: Technical Specifications 25
Appendix B: Troubleshooting 26

Introduction

Thank you for purchasing your digital camera. This unit can be used as a webcam it can also be used as a low-resolution digital camera. This camera is equipped with a 16MB built-in RAM, therefore you are able to use it to take up to 152 low-resolution photos under QCIF mode and high compression. Please note that in order to speak with friends and colleagues over the Internet, you will need a PC headset and microphone. Any standard PC headset will operate with this digital camera and is available at your local computer retailer. To download photos to your computer, you need only connect the USB cable from your computer to your camera. PhoTags software lets you edit your photos to share with friends and family. Everything you need to take quality digital photos is included with your camera. Please read this manual carefully FIRST in order to get the most out of your digital camera.

What your camera includes:

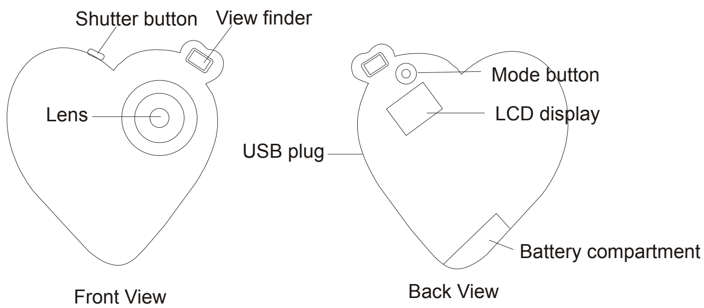
- Digital Camera
- PhoTags Express and driver software installation CD
- USB cable
- Strap
- User’s Manual

Computer System Requirements

To be able to download photos to your PC you will need the following minimum configuration:

- Pentium processor or above with MS Windows 98 SE, 2000, ME, XP
- 32 MB RAM, 80 MB free disk space
- Available USB Interface
- CD-ROM Drive
- Color display (16 bit or higher recommended)

A Quick Look at Your Camera



Preparing Your Camera for Use

Battery Installation

Your camera requires two AAA batteries. Insert the batteries into the camera:

1. Slide the cover of the battery compartment open.
2. Insert batteries according to the polarities (+ and -) indicated inside the battery compartment.
3. Close battery compartment.

The LCD will flash if your batteries are running low. You will need to replace your camera's batteries. Please download any photos you have on the camera before opening the battery compartment.

Note: If you do not intend to use your camera for an extended period, remove the batteries to avoid battery leakage and corrosion.

Do not mix old and new batteries. Do not mix alkaline, carbon zinc or rechargeable batteries.

WARNING: Opening the battery compartment and/or removing the battery will erase the photos currently stored in the camera. Download your photos as often as possible. Photos may be lost when the batteries run low.

Starting Your Camera

Press the mode button to start the camera. The camera will sound a beep to confirm that your camera is on and ready for use. The LCD display will show the number of photos you can take before needing to download them to your PC.

Taking Photos

Compose your shot using the view finder. **NOTE**: To achieve maximum clarity, the optimal distance between the camera and the subject is 5 feet.

1. Hold the camera steady and press the shutter button to take photos. The camera will beep when a photo is taken. The number of photos that you can still take at this resolution is displayed on the LCD screen.
2. When the camera is full, the LCD display will show “0”. Press the Shutter button and the buzzer will beep twice. You cannot take any photos at this time. Please download your photos to your PC.
3. The LCD display will indicate how many photos you may take at the current resolution and compression. In "Lo" resolution and "Hd" compression you can take over 100 images yet the LCD counter will only display up to 99. It will continue reporting 99 until there are less than 99 images left.

The Camera Modes

Photo Resolution HI and Compression Ld

There are 2 photo resolutions to select from, HI or Lo.

1. Press the mode button to select "HI" or "Lo" shown on the LCD display.
2. If the LCD displays "HI" this means that the present resolution is "Lo" and in order to change to "HI", click on the shutter button within 5 seconds.
3. If the LCD displays "Lo" this means that the present resolution is "HI" and in order to change to "Lo", click on the shutter button within 5 seconds.
4. All photos taken after changing resolution will be at the new resolution.

There are 2 photo compressions to select from, Hd or Ld.

1. Press the mode button to select "Hd" or "Ld" shown on the LCD display.
2. If the LCD displays "Hd" this means that the present compression is "Ld" and in order to change to "Hd", click on the shutter button within 5 seconds.
3. If the LCD displays "Ld" this means that the present compression is "Hd" and in order to change to "Ld", click on the shutter button within 5 seconds.

4. All photos taken after changing compression will be at the new compression.

The photo compression and resolution settings determine the number of photos and the amount of memory required for each photo. The following table tells you how many photos can be taken based on the image resolution and compression:

Resolution	Compression	
HI	Ld	18 photos
Lo	Hd	64 photos
HI	Hd	54 photos
Lo	Ld	152 photos

3 Shot Continuous Shoot Mode CS

1. Press the mode button to select CS shown on the LCD display.
2. Press the shutter button. The camera will beep 3 times (once for each photo taken). Continuous photo shooting may fail under poor lighting conditions.

Self-Timer St

You can include yourself in a photo by using this feature to delay the time between your pressing the shutter and when the photo is actually taken.

1. Press the mode button to select the St icon shown on the LCD screen.
2. Press the shutter button to start a 10 second count down (the LCD will flash once a second). After 10 seconds a photo is taken.

Delete (Last Photo) CL

To delete the last photo taken:

1. Press the mode button to select the CL icon shown on the LCD screen.
2. Press the shutter button again within 5 seconds. The LCD counter displays the updated number of photos you can take at the current resolution and compression.

Delete All CA

To delete the last photo taken:

1. Press the mode button to select the CA icon shown on the LCD screen.
2. Press the shutter button, the photo counter will flash.

3. Press the shutter button again within 5 seconds. All photos in the camera will be deleted and the LCD counter will be reset to show the number of photos you can take at the current resolution and compression.

Frequency: 60

Using the incorrect frequency setting under fluorescent lighting could result in poor images or video flickering (when using the WebCam). Set the camera for the correct frequency for the country that you are in. Your camera has 2 Frequency settings, 50HZ for the U.S. and Asia and 60HZ for Europe and Japan. The default setting is 50Hz.

1. Press the mode button to select the 60 or 50 icon shown on the LCD screen.
2. Press the shutter button to change the frequency setting.

Power Off OF

1. Press the mode button to select OF shown on the LCD screen.
2. Press the shutter button and the camera will switch off.

Energy save mode:

In order to conserve battery power, if the camera is not used within 30 seconds, the camera will automatically switch off.

Video Mode: d8

To take video clips (AVI format):

1. Press the mode button to select d8 shown on the LCD screen.
2. Press and hold down the shutter button until you want to stop shooting or until the memory is full. While the camera is shooting the LCD counter will rapidly count down.

Installing Limited Too Photo Manager Software

Before attempting to install the software, make sure that you do not have the camera or the USB cable attached to your computer. This may cause your installation to fail. Do not connect the cable to the computer until the entire installation process has been completed. We suggest you follow the step by step instructions that will appear on your screen during the installation process.

Software & Camera Driver Installation

1. Insert the CD into your CD-Rom drive. Make sure that your camera is not connected to the computer.
2. For WIN 2000 or WIN XP operating systems - On the "**Install your camera software**" screen, select your camera model from the drop down list and click the "Install" button to install Limited Too Photo Manager followed by the installation of WebCam Express and your camera driver.

For WIN 98SE operating system- On the "**Install your camera software**" screen and follow these instructions:

1. Click the "DirectX" button and follow the installation instructions, restart your computer after the installation

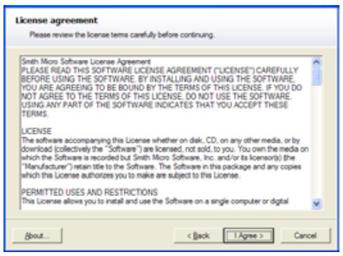
2. Insert the CD into your CD-Rom drive. Make sure that your camera is not connected to the computer.
3. On the “Install your camera software” screen, select your camera model from the drop down list and click the “Install” button to install the “Photo Manager” followed by the installation of WebCam Express.



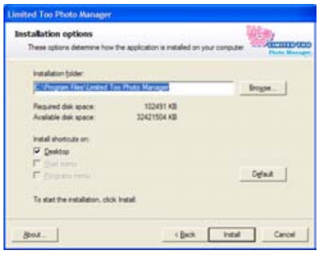
1. On the “Photo Manager" screen, click the “**Next”** button.



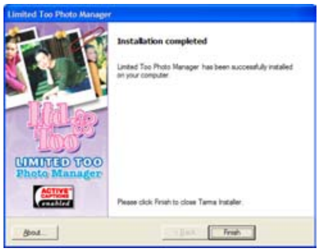
2. Please review the license terms and click the **“Agree”** button to continue.



3. Let the “Photo Manager” installer create the folder where the program will be installed to, and then click “**Install**”.



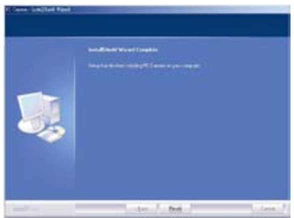
4. Click “**Finish**” to let the “Photo Manager” installer finish the installation program.



5. This will automatically launch the Install shield for the camera driver. Click “**Next**” to continue.



6. Once the program has finished installing you will have to restart your computer.

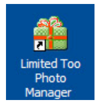


7. Congratulations!! You have successfully installed the “Limited Too Photo Manager” software, the “WebCam Express” and the Camera driver.

Downloading Photos

Use the "Limited Too Photo Manager" program to import photos and video clips (AVI files) from your camera.

1. Plug one end of the USB cable into the USB slot on your camera.
2. Plug the other end of the USB cable into a USB port on your computer.
3. Make sure that your camera is connected and turned on.
4. Double-click the "**Limited Too Photo Manager**" icon that is on your desktop to launch the program.



5. Click on the **"Get Photos"** button on the Main Menu.



6. **The “Get photos”** wizard will appear with the correct name of your camera device selected in the “Active devices” list in the “Express” mode. Click the “**Next**” button to proceed.



7. On the next screen, choose where you want to place your photos and video clips. and click the “Finish” button to copy the photos to your computer.



8. Select one of two options for the size of your pictures. High resolution (pixel up selected) or low resolution.



9. All of the pictures you imported will then appear in the “**Select photos**” mode’s main window.



Everything you need to get the most of your photos and MORE

Download photos instantly from your digital camera, media cards, CDs and storage devices to your computer.

Manage your photos by creating countless unique photo collections without duplicating any photos. Burn CDs of any folders for backup and storage.

Enhance your photos; Auto Enhance, Crop and Correct Red Eye.

Add Active Captions- add Text Captions, Frames, Shapes, Keywords… and more that can be viewed or hidden any time.

Locate and Organize your photos and collections- Search by Captions, Category, Keyword or Date - directly from the operating system of your computer.

Share your photos via E-mail, Local Printing and Create HTML web pages for uploading online.

Create Calendars, two-sided Greeting Cards and Postcards on standard photo paper... Create Photo Albums and Slide Shows on CDs that can be viewed on your PC and VCD's for viewing on your TV using your DVD player.

WebCam Express

Capturing AVI files

Now that you have your camera installed you can use it to capture short movies called AVI files. The length of time you can record an AVI while the camera is connected to your computer will vary, depending on how much hard drive space you will use to save the file. Please take note that these AVI files take up a lot of hard drive space. This is done through the PhoTags WebCam Express program. This next section will walk you though capturing an AVI file.

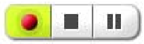
1. Double-click the **“WebCam Express**” icon that is on your desktop to launch the “**PhoTags WebCam Express**” program. Adjust your WebCam to the desired position. The screen will display what the WebCam “sees”.



2. To add audio to your video, plug a microphone into your computer.



3. Click the “**Capture**” button to start recording the video. The recording elapse time will appear under the video.



4. Click the “**Pause**” button to hold the recording. To continue recording click the “**Capture**” button again.
5. To finish recording click the “**Stop**” button.
6. The videos will be automatically saved into a default directory. You can view them in the “Playback” window.



Note:

1. To take snapshots: to learn how to capture JPEG snapshots from your WebCam or from your existing AVI movies, go to the “Take Snapshots” section in the Quick Start help.

2. To learn how to change the user settings, go to the “Set User Preferences” section in the Quick Start help.

Video Conferencing with the WebCam

You can use this camera as a webcam to chat with friends and family, sending live video feeds straight to them

NOTE: In order to use this feature you must make sure that you have YAHOO MESSENGER Version 5.5 or later.

3. Start Yahoo messenger.
4. Select the "tools" listing on the top of the toolbar. Go to the drop down menu and select the listing for "start my webcam".
5. You will see a window appear with your video that you are playing. Now people who have your Yahoo login name will be able to see your video.

Viewing Videos

To view a video clip double click on a video file, this will open Windows Media Player.

Maintenance and Warranty

Your camera is a delicate instrument - please handle it with care.

Sakar One Year Warranty

This warranty covers for the original consumer purchaser only and is not transferable. Products that fail to function properly UNDER NORMAL USAGE, due to defects in material or workmanship. Your product will be repaired or (at our discretion) replaced at no charge (excluding shipping, handling and insurance charges).

What Is Not Covered by Warranty?

Damages or malfunctions not resulting from defects in material or workmanship and damages or malfunctions from other than normal use, including but not limited to, repair by unauthorized parties, tampering, modification or accident.

Technical Support

For technical support issues please visit our website at **www.sakarhelp.com.** You can find manuals, software and FAQ's at the website. Can't find what you are looking for? Fill out an online ticket and one of our technical support team members will answer questions or call 877-397-8200 or 732-476-5098 to access our technical support information on the phone. For question on warranty information please email **warranty@sakar.com**

Appendix A: Technical Specifications

Image Sensor	CMOS Sensor 100K (352x 288) pixels
Resolution	352x 288 (CIF)
Memory	1M x 16 bytes SDRAM
Number of Pictures	Ld: Hi 18CIF/Lo 64 QCIF Hd: Hi 50 CIF Lo 152 QCIF
Lens	f=3.6/F2.4
Focus Range	40 cm to Infinity
Shutter Range	1/5~1/2400 second
Status LCD display	Numeric LCD
Self-Timer	Timer with 10 sec delay
Video frame rate	30 fps (Lo) , 10fps(Hi)
Video mode	24 bits (R/G/B)
Power source	2 x 1.5V AAA alkaline
Auto power off	30 sec.
PC interface	USB 1.1
Operation System	Windows 98/2000/Me/XP
Weight	Approx.60g (without 2AAA batteries)
Dimension	50(H) x94 (L) x25 (T) mm

Appendix B: Troubleshooting

Q: I have taken photos, but my computer says "No photos in camera." What do I do?

- First, ensure that you have taken photos with your camera. Press the shutter button a few times to take some sample photos and try again. If you still get a no photos error, this indicates that the software was not installed correctly or you may not meet the minimum system requirements.
- System Requirements:
  At least a Pentium II 300 MHz, AMD Athlon 300 MHz, or a Celeron 400 MHz or higher, at least 64 MB of RAM. Please note that the older AMD K6 processors will not work. More information about determining your computer's specifications can be found in the General Computer Information section. If you have determined that you have pictures in your camera and you meet the system requirements, follow the steps below to reinstall the software.
- Software Re-installation:
  1. First install the software. Click on Start, Settings, Control Panel and Add/Remove programs. You will need to remove PhoTags Express. After removing it, restart your computer. If your camera is connected, disconnect it.

2. Now reinstall the software. Insert the CD that came with your camera. It should automatically run the installation.

3. Restart the computer.

4. Once your computer is back up, plug the camera into your computer's USB port.

5. Right-click on the "My Computer" icon. Select Properties.
If you are running Windows 98 SE or Windows ME: Click on Device Manager.
If you are running Windows 2000 or XP: Click on hardware and then Device Manager.

If the camera is installed correctly, there will be a category listed for "Imaging Devices" and clicking on the "+" next to it should reveal your camera. If not, you will likely see "Digital Still Camera" under "Other Devices" with a brightly colored marking next to it indicating it is not functioning correctly.

If you are running Windows 98 SE or Windows ME: Right click on the non functioning device and select Remove.

If you are running Windows 2000 or XP: Right click on the non functioning device and select uninstall. If a warning pops up, press OK.

6. Restart your computer again. Your camera is now successfully installed.

Q: How do I make sure I don't lose important pictures?

- Your camera uses flash memory which requires a constant electric current to store your photos. Should your camera lose power (for instance if the battery dies or is removed) all stored pictures will be lost. We recommend always downloading your photos to your computer as soon as possible to prevent unintentional data loss.

Q: I have a MAC, will your camera work?

- Unfortunately, the system requirements for our cameras require a Windows operating system. There is no Mac driver available and no current plan to develop one.